



Recombinant Mouse BACE-2 CARRIER-FREE

Catalog Number:	PR15040CF-20	Product Type:	Recombinant protein
Source:	Recombinant mouse β -site APP cleaving enzyme 2 (rmBACE2, amino acid residues 29 - 462, NP_062390) was expressed with an N-terminal signal peptide and a C-terminal 6X His tag in a murine myeloma cell line, NS0.		
Molecular Mass:	The purified, secreted rmBACE2 corresponds mainly to the active form with the N-terminal sequence of A63LEPV. The 406 amino acid sequence of rmBACE2 predicts a molecular mass of 44 kDa. By SDS-PAGE under reducing conditions, the apparent molecular mass of the active form is approximately 55 kDa.		
Purity:	> 90%, as determined by SDS-PAGE and visualized by silver stain.		
Endotoxin Levels:	< 1.0 EU per 1 μ g of the enzyme as determined by the LAL method.		
Activity:	Measured by its ability to cleave a fluorogenic peptide substrate, Mca-KPLGL-Dpa-AR-NH ₂ . Cleavage of ES010 can be measured using excitation and emission wavelengths of 320 nm and 405 nm, respectively.		
	The specific activity, measured with 10 μ M ES010 and 1 μ g enzyme in 100 μ L of 100 mM NaOAc, 1M NaCl, pH 3.0, at room temperature, is > 10 pmoles/min/ μ g.		
Format:	Lyophilized from a 0.2 μ m filtered solution of 50mM Tris, 0.15 M NaCl, pH 7.5.		
Reconstitution:	It is recommended that water be used to reconstitute the enzyme at .5 mg/mL.		
Storage:	Lyophilized samples are stable for up to six months at -20° C to -70° C. Upon reconstitution, this cytokine, in the presence of a carrier protein, can be stored under sterile conditions at 2 - 8° C for one month or at -20° C to -70° C in a manual defrost freezer for three months without detectable loss of activity. Avoid repeated freeze-thaw cycles.		

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